

# Work Order ID 69502

Wednesday, May 11, 2011 1:43:55 PM



Page 1

Item ID: D4025-1

Accept



Setup Start



Revision ID:

Stop



Item Name: Fuel Quantity Sender

Start Date: 5/11/2011 Start Qty: 4.00



Cust Item ID:

Required Date: 5/18/2011 Req'd Qty: 4.00



Customer:

Reference:

Run Start



Approvals: Process Plan: CL

Date: 11/05/11

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

Draw Nbr

Revision Nbr

D4025

A

100

0.00



Purchasing

Memo

0.00

Issue P/O: 14064

Purchase part as per Dwg D4025

Part #: 224-265

Possible Supplier: Forsters Instruments

Material release note required

\*\*\*HOLD IN VERTICAL POSITION AND MEASURE RESISTANCE  
READING FOR LOWER LIMIT. ROTATE 180 DEGREES AND MEASURE  
RESISTANCE FOR UPPER LIMIT AS PER DWG\*\*\*

CL 11/05/11 (4)

110

Receive & Inspect for Damage & Mat'l Certs

0.00



Packaging

Memo

0.00

Packaging

CL 11/17/12 (4)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

**Work Order ID 69502**

Wednesday, May 11, 2011 1:43:55 PM

Page 2

Item ID: D4025-1

Accept

Setup Start

Revision ID:

Stop

Item Name: Fuel Quantity Sender

Start Date: 5/11/2011 Start Qty: 4.00

Cust Item ID:

Required Date: 5/18/2011 Req'd Qty: 4.00

Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

120

QC6- Inspect dimensions to drawing

0.00



QC

Memo

0.00

Quality Control

130

Identify as per dwg &amp; Stock Location: 142

0.00



Packaging

Memo

0.00

Packaging

140

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

x4

6/11/13 (4)

6/17/13

ME  
11-07-13

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

Wednesday, May 11, 2011 1:43:52 PM

Page 1

Work Order ID: 69502

Parent Item: D4025-1

Parent Item Name: Fuel Quantity Sender




Start Date: 5/11/2011

Required Date: 5/18/2011

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP rev A 10.02.02 new issue Prelim EC verified by:DD IPP Rev:B  
10.05.17 as per ECN10-562 DD verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
224-265  Fuel Sender		Purchased	No			110	Each	0.0000	1	4			

*Pa/17/12 G*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

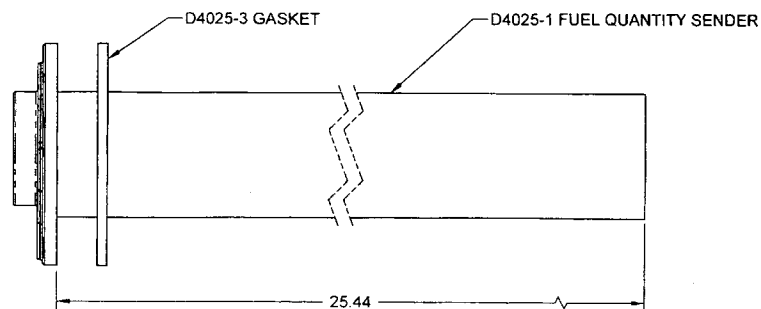
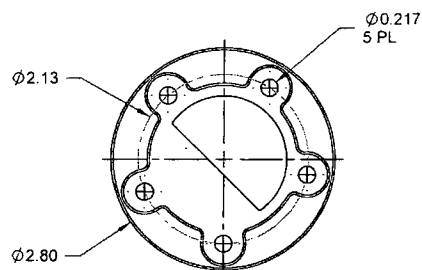
Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

DART AEROSPACE PART NUMBER	JOHN CAMERON AVIATION PART NUMBER
D4025-1	VDO-M47-JCA
D4025-3	N/A

## SPECIFICATION CONTROL DRAWING



DART PART NUMBER	DESCRIPTION	MANUFACTURER	MANUFACTURER PART NUMBER	POSSIBLE SUPPLIER	LOWER RESISTANCE LIMIT	UPPER RESISTANCE LIMIT	MATERIAL
D4025-1	FUEL QUANTITY SENDER	VDO SIEMENS	224-265	FORSTER INSTRUMENTS	82.2 ± 1.8 OHMS	1.0 ± 0.4 OHMS	N/A
D4025-3	GASKET	VDO SIEMENS	226-053	FORSTER INSTRUMENTS	N/A	N/A	RUBBER

### RECEIVING INSPECTION REQUIREMENTS:

- 1) REMOVE TRANSPORT PIN AND INSPECT FOR VISUAL DAMAGE
- 2) OVERALL CYLINDER LENGTH - 25.44
- 3) HOLD IN VERTICAL POSITION AND MEASURE RESISTANCE READING FOR LOWER LIMIT
- 4) ROTATE 180° AND MEASURE RESISTANCE FOR UPPER LIMIT

### NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4025-X" AND B/N USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: D4025-1 - 0.38 lbs  
D4025-3 - 0.01 lbs

*CL 110511*  
*WIO. 69502*

RELEASED  
N 2010-05-05  
*MP*

REV.	DESCRIPTION	BY	DATE
A	NEW ISSUE	<i>[Signature]</i>	10.02.05
DESIGN	<i>[Signature]</i>		
DRAWN	<i>[Signature]</i>		
CHECKED	<i>[Signature]</i>		
MFG. APPR.	<i>[Signature]</i>		
APPROVED	<i>[Signature]</i>		
DE APPR.	<i>[Signature]</i>		
DATE	10.02.05		

**DART AEROSPACE LTD**  
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. **D4025** REV. A  
SHEET 1 OF 1  
TITLE **FUEL SENDER** SCALE NTS

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO14064**

Purchase Order Date 5/11/2011

PO Print Date 5/11/2011

Page Number 1 of 1

Order From :

VC-FOR002

FORSTER INSTRUMENTS  
7141 EDWARDS BLVD  
MISSISSAUGA, ON L5S 1Z2  
CANADA

Contact Name

Vendor Phone

905 795 0555

Vendor Fax

905 795 0570

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

FAKED  
C&U/SIN

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	224-265	Fuel Sender	5/18/2011 Yes	4.00 Each	FedEx Overnight	\$89.6900	\$358.76

Special Inst:

AS PER DWG D4025 REV. A  
B69502  
FORSTER P/N: 224-265  
NOTE: PARTS NEED TO BE TESTED  
FOR OHMS  
AND PLEASE INCLUDE THE REPORT

PO Total:

\$358.76

CERTIFICATE OF CONFORMITY  
READ UPON DELIVERY

Change Nbr: 1

Change Date: 5/11/2011

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable



# FORSTER INSTRUMENTS INC.

7141 EDWARDS BLVD., MISSISSAUGA, ONTARIO L5S 1Z2

D - U - N - S 25 - 530 - 6649

PHONE (905) 795-0555 • FAX (905) 795-0570

TOLL FREE 1-800-661-2994 • TOLL FREE FAX 1-800-632-9943

Toll Free within Canada only

Automotive and Industrial Instruments, Controls and Equipment

A/C 10.33

Page: 1

DART AEROSPACE LTD.  
1270 ABERDEEN STREET

HAWKESBURY, ON K6A 1K7

## TERMS AND CONDITIONS

- net 30 days from date of invoice unless otherwise stated.
- pay from invoice, statements upon request only.
- all claims for shortage must be made within ten days after receipt of goods.
- all claims for damage must be made with the carrier.
- all goods F.O.B. our Mississauga warehouse.
- orders subject to a minimum invoice value of \$50.00.
- goods cannot be returned without our Return Authorization Number.
- returned goods must be freight prepaid.
- any warranty expressed or implied is that of the manufacturer as stated in their literature.
- title of goods does not pass until goods are paid for in full.
- E. & O. E.

S  
H  
I DART AEROSPACE LTD.  
P 1270 ABERDEEN STREET  
  
T  
O HAWKESBURY, ON K6A 1K7

STOMER	CUST. ORDER NO.	G.S.T. NUMBER	PROV. TAX NO.	S/M TYPE	PACKED BY
ARAER	PO14064	R101272607		SLOA	
DER DATE	DATE SHIPPED	OUR SALES ORDER NO.	SHIPPING REF. NO.	SHIP VIA	
12.05.11		S13743	01	FED EX	
NO.	QUAN.	SHIP.	B/O	PART NUMBER	DESCRIPTION

FED EX ACCT# 15179324-0

FUEL SENDER # 224-265 (D4025)

NEEDS

TO BE CERTIFIED FOR ACCURACY

PER

CUSTOMER DRAWING.

PARTS NEED TO BE TESTED FOR

OHMS

PRICE OF THE TEST (\$20.00 )

IS INCLUDED IN COST OF

PART NUMBER 224-265-SP

SHIP DATE: MAY 17/11

DUE DATE: MAY 18/11

ENCLOSED C OF C

=====

0 224-265-SP

SENDER, FUEL DIP PIPE 5.

Cust Prod: D4025

Pick 4 Sets; P:O C:4

=====

=====

PLEASE NOTE: as per DWG D4025 Rev.A B69502

Forster P/N: 224-265

NOTE: Parts need to be tested for OHMS

and please include the report

=====

=====



**FORSTER INSTRUMENTS INC.**



JULY 11, 2011

DART AEROSPACE LTD.  
1270 ABERDEEN STREET  
HAWKESBURY, ON K6A 1K7

**CERTIFICATE OF COMPLIANCE**

We hereby certify that this shipping lot of 4 VDO tube type senders 224-265  
On your purchase order P014064, our packing slip S13743 tested within the  
Following ohms range. \_\_\_\_\_

*S1107/13*

**EMPTY**

**82.2 +/- 1.8 OHMS**

**FULL**

**1 +/- 0.8 OHMS**

Yours truly

DON STRONGITHARM  
dcs/rmj